

WHAT IS CLAIMED IS

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1. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;  
an equalizing unit for equalizing the  
10 received signal;  
a despreding unit for despreding the  
received signal; and  
a controlling signal adjusting unit for  
adjusting a signal obtained from the despread signal  
15 to a spread type controlling signal to be supplied  
to the equalizing unit.

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2. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;  
an interference compensation unit for  
25 performing interference compensation on the received  
signal;  
a despreding unit for despreding the  
received signal; and  
a controlling signal adjusting unit for  
30 adjusting a signal obtained from the despread signal  
to a spread type controlling signal to be supplied  
to the interference compensation unit.

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3. A CDMA receiving device comprising:

a receiving unit for receiving a spread  
signal;

a despreading unit for despreading the  
received signal;

5 an equalizing unit for equalizing the  
despread signal; and

a spreading unit for spreading amplitude  
information and error information of the equalized  
signal;

10 wherein the spread amplitude information  
and error information are used as controlling  
signals in the equalizing unit.

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4. A CDMA receiving device comprising:  
a receiving unit for receiving a spread

signal;

20 a despreading unit for despreading the  
received signal;

an interference compensation unit for  
performing interference compensation on the despread  
signal; and

25 a spreading unit for spreading amplitude  
information and error information outputted of the  
compensated signal;

wherein the spread amplitude information  
and error information are used as controlling  
30 signals in the interference compensation unit.

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5. A CDMA receiving device comprising:  
a receiving unit for receiving a spread

signal;

an equalizing unit for equalizing the received signal;

a despreading unit for despreading the equalized signal; and

5 a spreading unit for spreading amplitude information and error information of the despread signal;

wherein the spread amplitude information and error information are used as controlling  
10 signals in the equalizing unit.

15 6. A CDMA receiving device comprising:  
a receiving unit for receiving a spread signal;

an interference compensation unit for performing interference compensation on the received  
20 signal;

a despreading unit for despreading the compensated signal; and

a spreading unit for spreading amplitude information and error information of the despread  
25 signal;

wherein the spread amplitude information and error information are used as controlling signals in the interference compensation unit.

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7. A CDMA receiving device comprising:  
a receiving unit for receiving a spread

35 signal;

an equalizing unit for equalizing the received signal;

a despreading unit for despreading the equalized signal; and

a spreading unit for spreading error information of the despread signal;

5            wherein the spread error information and amplitude information inputted to the equalizing unit are used as controlling signals in the equalizing unit.

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8. A CDMA receiving device comprising:  
a receiving unit for receiving a spread

15    signal;

an interference compensation unit for performing interference compensation on the received signal;

20            a despreading unit for despreading the compensated signal; and

a spreading unit for spreading error information of the despread signal;

25            wherein the spread error information and amplitude information inputted to the interference compensation unit are used as controlling signals in the interference compensation unit.

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9. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;

35            a signal processing unit for performing signal processing on the received signal;

a despreading unit for despreading the received signal; and

a controlling signal adjusting unit for adjusting a signal obtained from the despread signal to a spread type controlling signal to be supplied to the signal processing unit.

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10 10. A CDMA receiving method comprising the steps of:  
receiving a spread signal;  
performing signal processing and despread-  
despreading on the received signal; and  
adjusting a signal obtained from a  
15 despread signal obtained at the despreading step to a spread type controlling signal to be supplied for the signal processing.

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11. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
signal;  
25 a despreading unit for despreading the received signal;  
an equalizing unit for equalizing the despread signal; and  
a spreading unit for spreading amplitude  
30 information of an input signal to the equalizing unit and error information of an output signal from the equalizing unit;  
wherein the spread amplitude information and error information are used as controlling  
35 signals in the equalizing unit.

12. A CDMA receiving device comprising:  
a receiving unit for receiving a spread  
5 signal;  
a signal processing unit for performing  
signal processing on the received signal;  
a despreading unit for despreading the  
received signal; and  
10 a controlling signal adjusting unit for  
adjusting a signal obtained from the despread signal  
to a spread type controlling signal to be supplied  
to the signal processing unit.

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